

# **SDMS US EPA REGION V -1**

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MONTHLY WORK ASSIGNMENT STATUS REPORT

SITE NAME/ACTIVITY: Dead Creek Project, Illinois, RI/FS  
PREPARED BY: Michael Miller, Project Manager, E & E  
DATE: August 14, 1987  
Period: July

RECEIVED  
AUG 31 1987  
IEPA/DLPC  
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1. Status of Work and Progress to Date

Work activities for the month of July included collecting air samples, completing the infiltration testing, collecting replacement groundwater samples, and taking an inventory of waste drums generated during the project. Tabulation of analytical data received to date also continued.

A total of 104 air samples, including 32 QC samples, were collected from the areas identified in the air sampling addendum to the QAPP. Six infiltration tests were conducted at Sites G, H, O, and Q. A total of seven replacement groundwater samples were collected from monitoring wells at Site O and from well EE-G102, located south of Site G. Fifty drums of investigation-derived waste material were inventoried, including 38 drums of well development water, 8 drums of drill cuttings (soil), and 4 drums of waste soil samples. E & E is presently researching disposal options for the waste material.

The work completed during this reporting period marks the end of the additional investigations and air sampling tasks for the project. Yet to be completed are the final RI report and the water supply survey. A printout of all data received to date is attached to this report.

Discussed June 16, 1987 letter from Jeff Larson to Mike Miller concerning the concept of eliminating the Feasibility Study for the purpose of conserving funds for use in future HRS related investigations. It was agreed that conducting a feasibility study for all the sites at this time may be premature due to the HRS Model status and that the FS should be postponed.

2. Percentage Completion

The following table provides the percent completion of scope and expenditures as of August 1, 1987.

RI Task	Hours	\$ Expended	Hours % of Budget	% of Budget Expended	Scope % Complete
1 Initial Meeting	74	5,211.	123	116	100
2 Work Plan	1027	42,922.	327	295	100
3 Associated Support	228	10,576.	190	100	100
4 Add'l Data Gathering	303	15,189.	168	114	100
5 Describe Current Situ	748	28,202.	680	730	100
6 Preliminary Report	290	14,082.	263	365	100
7 Site Investigation	760	118,063.	100	100	100
8 Prelim. Remed. Tech	106	5,253.	106	132	100
11 Add'l Requirement	133	7,330.	133	102	100
20 Add Req. New Scope	341	18,862.	161	128	80
21 Revised Scope Devel.	405	20,000.	100	100	100
22 Work Plan Revision	334	15,104.	94	83	100
24 Air Monitoring	300	39,176.	90	101	100
25 Add'l Investigations	3104	380,901.	72	86	100
26 Final RI Report	708	29,331	41	36	23
27 Analytical Services		335,979		98	99
28 Waste Disposal	10	461	6	5	5

### 3. Problems Encountered and Corrective Action

Minor equipment problems were encountered during the final day of air sampling. The motor on one high volume sampling pump failed approximately two hours into a twelve-hour sampling interval. No replacement motor was available. The location of the unit that failed was not a critical data point, however. The sample will be analyzed with adjusted detection limits, based on the volume of air sampled. No other problems were encountered during this reporting period.

Due to delays in completing the air monitoring task, completion of the draft RI report will be delayed by at least a month from the originally projected 9-11-87 date.

### 4. Activities Planned for Next Reporting Period

Activities planned for the month of August include preparation of the draft RI report, conducting a water supply survey for the project area, and researching and selecting vendors for the disposal of investigation-derived waste material. E & E will also provide a cost breakdown detailing the remaining budget for the project, as requested by Jeff Larson of the IEPA.

5. Key Personnel Changes

None

6. Expenditures for Reporting Period

Direct Labor Hours

574

Expenditures Including Fees

\$106,911

7. Cumulative Expenditures

Direct Labor Hours

8,870

Expenditures Including Fees

\$1,086,642

8. Projected Expenditures

No change in overall projected expenditures.

9. Expenditures and Manhours (graphic)

See attached.

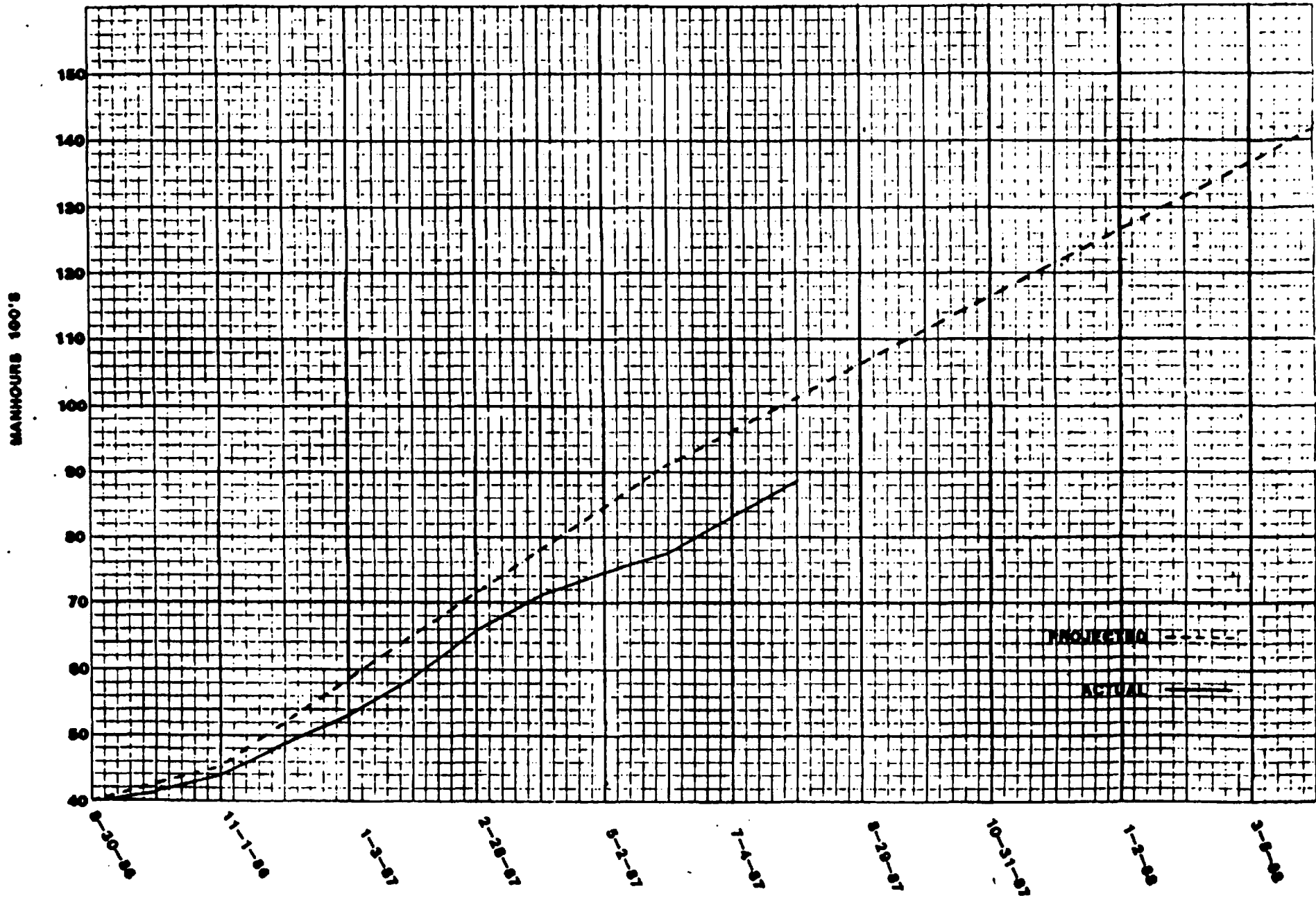
10. Target vs. Actual for Activities

	<u>Target Completion</u>	<u>Actual Completion</u>
1. Initial and Secondary Meeting	3/17/86	3/25/86.
2. Work Plan	2/17/86	5/16/86.
3. Associated Support	1/24/86	3/25/86
4. Additional Data Gathering	1/24/86	2/22/86
5. Describe Current Situation	3/14/86	7/17/86
6. Preliminary Report	10/15/86	10/13/86
7. Site Investigations	Suspended	(See tasks 22-26)
8. Preliminary Remedial Technology	10/15/86	10/13/86
9. Site Investigation Analysis	Suspended	-----
10. Remedial Investigation Report	Suspended	-----
11. Additional Requirements	10/15/86	
12. Describe Proposed Response	9/11/87	
13. Development of Alternatives	10/19/87	
14. Initial Screen of Alternatives	10/29/87	
15. Laboratory Studies	11/20/87	
16. Evaluation of Alternatives	12/14/87	
17. Draft Feasibility Study	1/29/88	

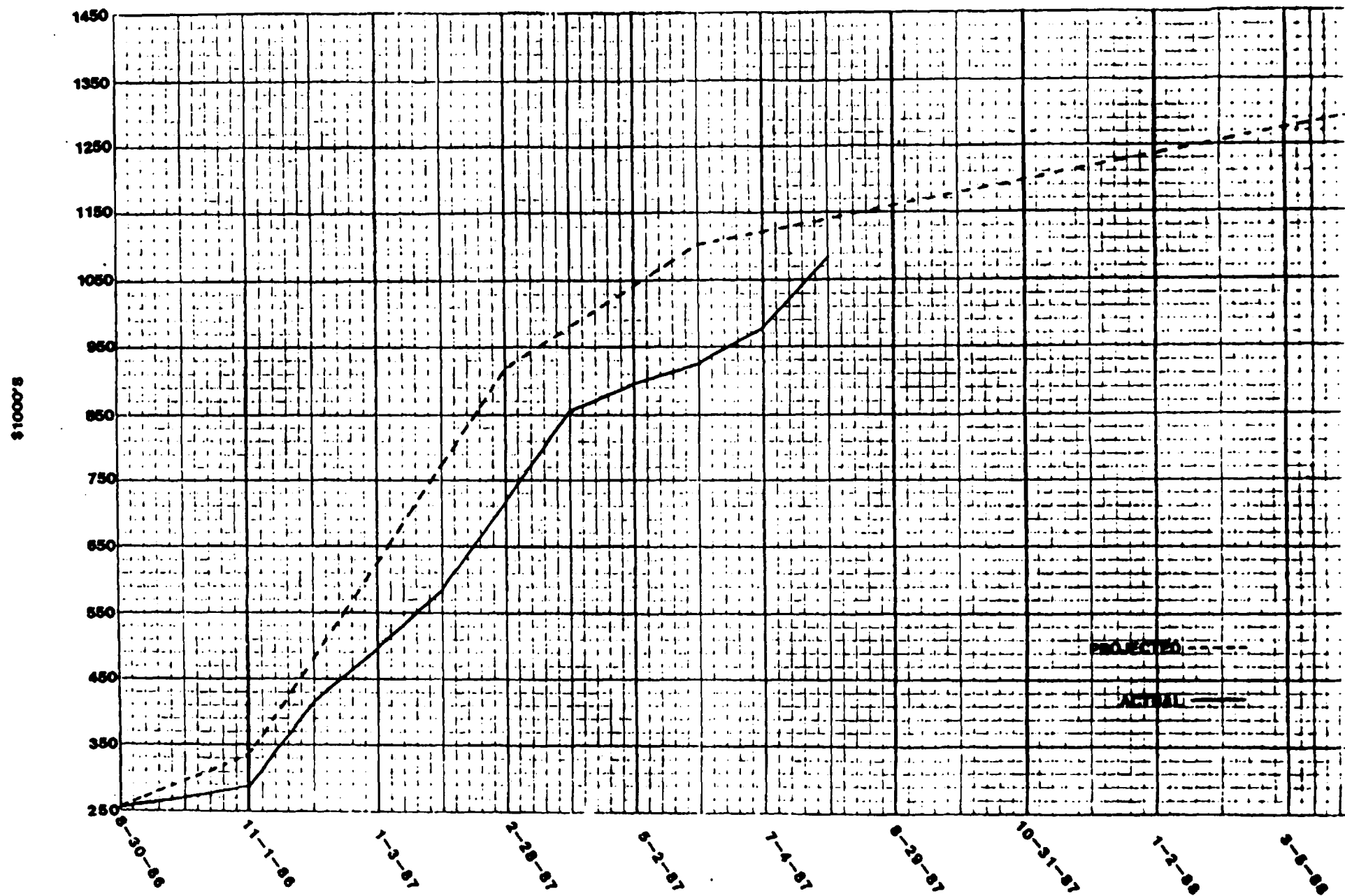
	<u>Target Completion</u>	<u>Actual Completion</u>
18. Conceptual Design	4/22/88	
19. Final Report	4/29/88	
20. Additional Requirements	5/27/88	
21. Revised Scope Development	8/01/86	8/05/86
22. Work Plan Revisions	3/27/87	5/06/87
23. Water Supply Search	5/30/87	
24. Air Monitoring	5/30/87	7/23/87
25. Additional Investigations	5/30/87	7/23/87
26. Final Report HRS-RI	9/11/87	

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# DEAD CREEK PROJECT MANHOURS



# DEAD CREEK PROJECT EXPENDITURES



# KEY TO SAMPLE LOCATIONS

GENERAL: DC-SD-13 - sediment samples  
 DC-~~SW~~-01 - surface water samples  
 DC-~~SS~~-01 - surface soil samples  
 DC-~~GW~~-01 - groundwater samples  
 DC-GI-26 - subsurface soil samples (underlined code refers to site designation and boring number for that site).

Sample Numbers(s)	Site Designation
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DC-SD-13 - DC-SD-14	Creek Sector B
DC-SD-15 - DC-SD-17	Site M
DC-SD-18 - DC-SD-20	Creek Sector B
DC-SD-21 - DC-SD-24	Creek Sector C
DC-SD-25 - DC-SD-28	Creek Sector D
DC-SD-29 - DC-SD-31	Blank Soil
DC-SD-32 - DC-SD-36	Creek Sector A
DC-SW-01	Blank water
DC-SW-02 - DC-SW-03	Site M
DC-SW-04 - DC-SW-06	Creek Sector B
DC-SW-07 - DC-SW-08	Creek Sector C
DC-SW-09 - DC-SW-10	Creek Sector D
DC-SW-11	Blank water
DC-SW-12 - DC-SW-13	Creek Sector A
DC-SS-01 - DC-SS-43	Site G
DC-SS-44 - DC-SS-45	Blank soil
DC-SS-46 - DC-SS-48	Site J
DC-GI-26 - DC-G9-71	Site G
DC-GB-29, DC-GB-34, DC-GB-68	Blank soil
DC-H9-14 - DC-H9-28	Site H
DC-HB-20	Blank soil
DC-I1-38 - DC-I12-58	Site I
DC-1B-44	Blank soil
DC-J1-11 - DC-J3-13	Site J
DC-K1-08 - DC-K3-32	Site K
DC-L1-02 - DC-L4-10	Site L
DC-LB-01	Blank soil
AC-N1-05 - DC-N2-06	Site N
DC-NB-07	Blank soil
DC-P1-53 - DC-P5-56	Site P
DC-O1-59 - DC-O10-75	Site O
DC-OB-65	Blank soil
DC-GW-01 - DC-GW-09	Site Q
DC-GW-10 - DC-GW-13	Site H
DC-GW-14 - DC-GW-21	Site G
DC-GW-17, DC-GW-22	Blank water



Sample Numbers(s)	Site Designation
UC-GW-23 - DC-GW-31	Site I
DC-GW-32 - DC-GW-34	Site G
DC-GW-35	Blank water
DC-GW-36	Site H (IEPA replacement well)
DC-GW-37	Site L
DC-GW-38 - DC-GW-43	Site O
DC-GW-44 - DC-GW-50	Site R
DC-GW-51	Blank water
UC-GW-52 - DC-GW-56	Private wells

Legend:

- B - compound found in Lab blanks, also .
- C. Analysis confirmed in mass spec.
- J. Estimated values in ppb due to such high rate.

THE FOLLOWING 67 PAGES OF "DRAFT CONFIDENTIAL"  
SAMPLING HAS BEEN REDACTED